

## CLAIMS

We claim:

- 1        1. A lock removal tool, comprising:
  - 2            an elongated bar having a first end and a second end;
  - 3            a lock cutting tool disposed on the first end of said bar,
  - 4            the lock cutting tool being a generally rectangular, flat plate
  - 5            having leading and trailing edges and top and bottom surfaces,
  - 6            said bar being joined to the lock cutting tool generally between
  - 7            the leading and trailing edges, said bar being angled away from
  - 8            the top surface and extending rearward from the lock cutting
  - 9            tool;
  - 10           a tool piece extending from the second end of said bar
  - 11           axially aligned with said bar;
  - 12           a first impact collar disposed on said bar near the first
  - 13           end;
  - 14           a second impact collar disposed on said bar near the second
  - 15           end; and
  - 16           a weight slidably disposed on said bar between the first
  - 17           and the second impact collar.

1           2.    The lock removal tool according to claim 1, wherein  
2 said tool piece comprises a length of metal stock.

1           3.    The lock removal tool according to claim 2, wherein  
2 said metal stock is square.

1           4.    The lock removal tool according to claim 3, wherein  
2 said metal stock is tapered to define a blade.

1           5.    The lock removal tool according to claim 1, wherein the  
2 second end of said bar has a tool piece receptacle defined  
3 therein and a threaded set screw aperture formed through the bar  
4 and extending into the receptacle, the lock removal tool further  
5 comprising a set screw engaging the set screw aperture, whereby  
6 said tool piece is removably retained within said tool piece  
7 receptacle by said set screw.

1           6.    The lock removal tool according to claim 1, wherein the  
2 leading edge of said lock cutting tool is bifurcated to form a  
3 cutting slot, the cutting slot being a generally "V" shaped slot  
4 having inner edges.

1        7. The lock removal tool according to claim 1, wherein said  
2 top surface of said lock cutting tool is tapered along the  
3 leading edge.

1        8. The lock removal tool according to claim 1, wherein the  
2 leading edge of said lock cutting tool is bifurcated to form a  
3 cutting slot, the cutting slot being a generally "V" shaped slot  
4 having inner edges, the top surface of said cutting tool being  
5 tapered along the inner edges of said cutting slot.

1        9. The lock removal tool according to claim 1, wherein the  
2 top surface of said lock cutting tool is tapered along the  
3 trailing edge.

1        10. The lock removal tool according to claim 1, wherein the  
2 bottom surface of said cutting tool is curved at the leading edge.

1        11. The lock removal tool according to claim 1, wherein said  
2 cutting tool has at least one groove formed in the top surface,  
3 the at least one groove extending transversely across the top  
4 surface.

1        12. The lock removal tool according to claim 1, wherein said  
2 cutting tool has at least one groove formed in the bottom surface,  
3 the at least one groove extending transversely across the bottom  
4 surface.

1        13. The lock removal tool according to claim 1, wherein said  
2 bar and said lock cutting tool are joined at an angle of between  
3 15° and 45°.